

Call for Proposals – Research Development Programme

Government of Karnataka's K-Tech Centre of Excellence in Cybersecurity (CySeck) invites research and development project proposals in the area of Cybersecurity.

Cybersecurity Research Development Programme (RDP) initiative of CySeck is aimed at achieving the following objectives:

- Provide financial and academic support to active researchers to foster and promote R&D in the emerging field of cybersecurity.
- Utilise tremendous talent and potential of engineering faculty and students in tackling cybersecurity issues
- Deliver positive impact in improving the quality of technical education
- Promote research in institutions beyond top tier colleges

Project proposals can be single or multi-institutional and must consist of :

- Specific objectives
- Clearly defined milestones
- Quantifiable deliverables
- Realistic budget

If the proposed research project is multi-institutional, the research grant would be provided to the institute of the Principal Investigator (PI).

Eligibility Criteria

- Research proposals can be submitted by faculty working in colleges affiliated to Visvesvaraya Technological University, Belgaum (VTU Belgaum)/constituent colleges and autonomous colleges under VTU Belgaum
- The academic institutions must have adequate infrastructure/facilities to carry out technology research and development activities
- A faculty member may be funded for only one proposal per year, and not more than three within any five-year period

Evaluation and selection

- The research proposals in cybersecurity domain submitted by faculty working in academic institutions will be technically reviewed by the panel of experts.
- The panel of experts will select the proposals according to defined procedures and assessment criteria.
- Proposals will be judged on overall completeness of the proposal; merit and creativity of the project; soundness of the research design and methodology; value and relationship of the project to the society and soundness of the budget justification.
- Special emphasis will also be placed on the following criteria:
 - Innovativeness in project proposal
 - Potential for Application
 - Extent to which it addresses current and envisioned needs of the digital communities in India covering industry, government, consumers and the society at large
- The recommended proposals shall be taken up for financial support depending upon final approvals by the competent Authority at KSCST, ratings provided by the expert panel and availability of budget.

Funding

- CySecK shall support technically meritorious cybersecurity R&D projects as per standard Grant-In-Aid operating procedures of Karnataka State Council for Science and Technology (KSCST).
- An initial grant of up to Rs 2 lakh would be awarded to selected projects in the first year, followed by a second round of funding of up to Rs 10 lakh to the top-performing projects from the initial group in the second year.
- The expert panel shall recommend projects for the second tranche funding based on the following criteria:
 - Meeting measurable objectives, targets and milestones
 - Timely submission of progress reports
 - Demonstration of research work undertaken consistently throughout the year

- Potential for application and the benefits expected to be accrued

Deadline and Submission

- The proposal must be submitted via Google Forms only, no later than 6pm (IST) on 30th April 2021. The annexure contains the format for the submission of research proposals.
- The link to the Google Form through which research proposals are to be submitted by interested researchers is provided below.

<https://docs.google.com/forms/d/e/1FAIpQLSd92RZXFKhuCoauvrouU88ZB6GdVaRLjWgQ6KBbYwNdiLWWXMq/viewform>

Annexure - Format for Submission of Research Proposal

SECTION – A GENERAL INFORMATION

1. Project Title:
2. Sub Area:
3. Duration in months:
4. Total cost:
5. Project Category:
 - Basic Research
 - Applied Research
 - Technology Development
 - Any other
6. Principal Investigator:
 - Designation:
 - Department:
 - Institute Name:
 - Address:
 - Telephone:
 - E-mail:
7. Date of Birth:
8. Sex (M/F):
9. Co-Investigator:
 - Designation:
 - Department:
 - Institute Name:
 - Address:
 - Telephone:
 - E-mail:
10. Date of Birth:
11. Sex (M/F):

SECTION – B

TECHNICAL DETAILS

1. Project Title:

2. Project summary (maximum 500 words):

3. Key words:

4. Introduction (under the following heads):

- Origin of the proposal
- Definition of the problem
- Objective

5. Review and status of Research and Development in the subject:

- International status
- National status
- Relevant references
- Importance of the proposed project in the context of current status
- Review of expertise available with proposed investigating group/institution in the subject of the project
- References

6. Work plan:

- Methodology
- Organization of work elements
- Time schedule of activities giving milestones (also append to bar diagram)
- Suggested plan of action for utilization of research outcome expected from the project

7. Budget Estimates: Summary

SI No	Item	Justification	Budget	Total (INR)

8. Detailed Bio-data of the Investigator(s)/Co-Investigator(s) including -

- Name, Address, Date of Birth, Institution's Address etc.
- Academic Qualifications (University/College from where attained, year of passing, class, Thesis title etc.)
- Publications list (Title of paper, authors, Journal details, pages, year etc.)
- Patent list, if any
- List of Projects implemented

10. Details of Research Projects being implemented/ completed/ submitted by the Investigator(s)/Co-Investigators including :

Investigator(s) Name & Institute

Project Title:

Project Status:

Completed-duration, period (from.... to.....), Funding agency and total cost, On-going-duration, date of start, funding agency and total cost. Proposed-duration, funding agency where submitted and total cost

11. Any other relevant matter